

- 1.) List six (6) disease associated with the inadequate I take of certain foods nutrients.
- 2.) Describe an experiment to show the test of starch in a leaf.
- 3.) Draw a well labelled diagram of a human skeleton.
- 4.) List the different types of veterbrate that constitute the vertebral column.

1.)

Answer..

Symptoms:

- | | |
|-------------------------------|------------------------------|
| 1.) Xerophthalmia (Vitamin A) | Blindness from eye infection |
| 2.) Rickets (Vitamin D). | Bowes leg |
| 3.) Beriberi (Thiamk). | Cardiovascular problems |
| 4.) Pellagra (Niacin). | Dementia |
| 5.) Scurvy (Vitamin C). | Internal bleeding |
| 6.) Goltre (Iodine). | Eretinism. |

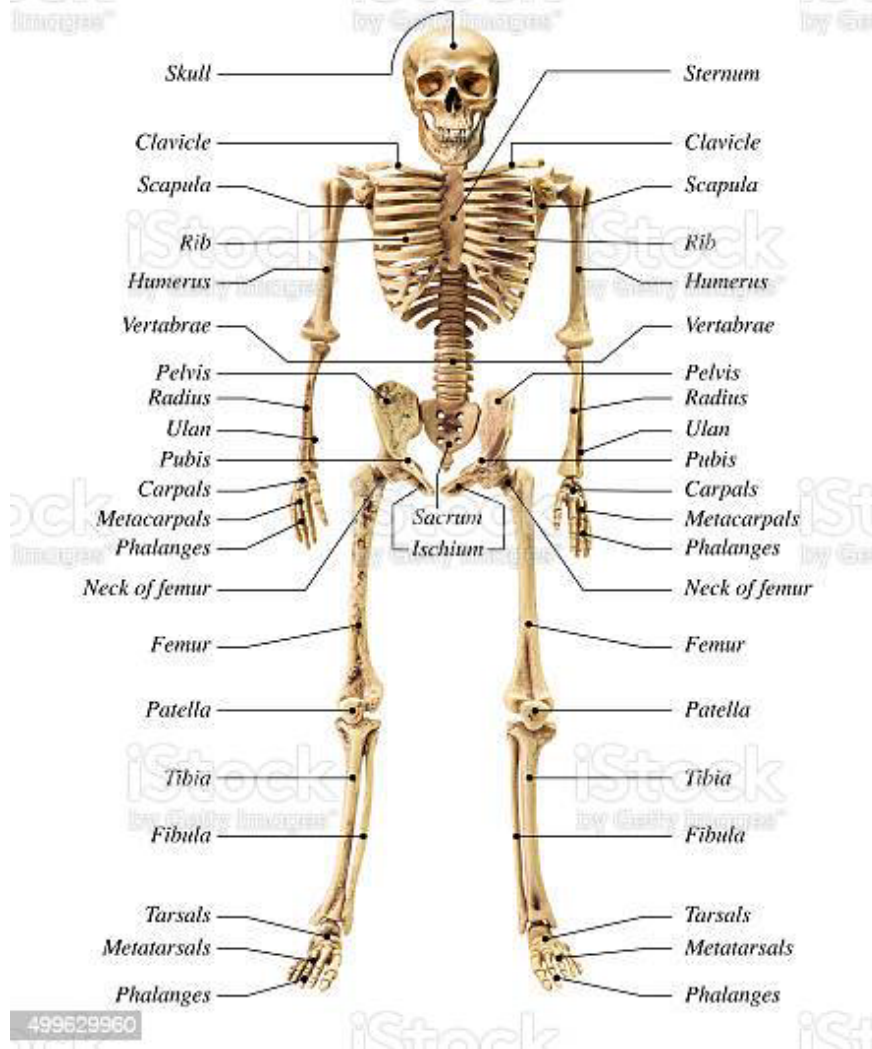
2.)

The presence of starch in leaves can be tested by the Iodine test. When we remove chlorophyll from the leaf by boiling it in alcohol and then putting two drops of iodine solution, it is a colour change to blue indicates the presence of starch.

Iodine solution is use to test leaf from the presence of starch. After a few minutes the part of the leaf that contains starch turn the iodine from brown to blue/ black.

3.)

Diagram of human skeletal (anterior view)



4.)

- a) Cervical :7
- b) Thoracic :12
- c) Lumbar :5
- d) Sacral :5 (fused into one bone. The sacrum)
- e) Coccygeal :4 fused into one or two bones. The coccyx.

